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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,802	04/05/2006	Yoshimasa Katou	060303	2044
21874 7590 09/04/2008 EDWARDS ANGELL PALMER & DODGE LLP P.O. BOX 55874 BOSTON, MA 02205				
EXAMINER				
MUSLEH, MOHAMAD A				
ART UNIT		PAPER NUMBER		
2832				
MAIL DATE		DELIVERY MODE		
09/04/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/574,802

Applicant(s)

KATOU, YOSHIMASA

Examiner

MOHAMAD A. MUSLEH

Art Unit

2832

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 April 2006.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☒ Claim(s) 7 is/are allowed.
6) ☒ Claim(s) 1-6 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 05 April 2006 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/CIS)
Paper No(s)/Mail Date 04/05/2006
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____

DETAILED ACTION

Drawings

1. **Figure 15** should be designated by a legend such as **--Prior Art--** because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) The invention was patented or described in a printed publication in this or a foreign country, in public use, or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claims 1-6** are rejected under **35 U.S.C. 102(b)** as being anticipated by **JP 2000285782 [JP285782]**.
3. Regarding **claim 1**, at **[figs. 1-20] JP285782** teaches a base **[10]**, an electromagnet **[60]** disposed on the base **[10]**, an armature **[50]** supported rotatably by the base so as to swing in response to excitation/non-excitation of the electromagnet **[60]**, a movable spring **[21]** whose one end has a movable contact **[22]** and the opposite end is secured to the base **[10]**, a fixed contact **[26]** disposed opposite to the

movable contact [22] to constitute a contact mechanism [20] together with the movable contact [22], a card [40] having a coupling part [53] to be coupled to the armature [50] and an insertion hole [42a-42d] to which the one end of the movable spring [21] is inserted, the card [40] elastically deforming the movable spring [21] in conjunction with a swing motion of the armature [50] to selectively open or close the contact mechanism [20], wherein the movable spring [21] has a U-shaped hook [top part of element 21] formed by bending the one end of the movable spring toward the opposite end side, the one end of the movable spring being configured to be able to pass through the insertion hole [42a-42d] while being pushed by an inner surface of the insertion hole and being deformed elastically, an end of the hook being engaged with the card [fig. 14].

4. Regarding claim 2, wherein the card [40] has a recess [fig. 14] in the inner surface of the insertion hole [42a-42d], the recess running along an axial direction of the insertion hole [42a-42d] so that the one end of the movable spring [21] pushed by the inner surface of the insertion hole [42a-42d] and elastically deformed in passing through the insertion hole can escape to the recess [fig. 14].

5. Regarding claim 3, wherein the movable spring [21] has slits on both sides of the hook [fig. 4].

6. Regarding claim 4, wherein the card [40] has a step [44a/44b] on the inner surface of the insertion hole [42a-42d], and the end of the hook being engaged with a surface of the step opposite to a side from which the one end of the movable spring is inserted [figs. 13-14].

7. Regarding **claim 5**, wherein a surface of the step **[44a/44b]** on the side from which the one end of the movable spring **[21]** is inserted is inclined toward an inside of the insertion hole **[fig. 14]**.
8. Regarding **claim 6**, wherein the movable spring **[21]** has a shoulder part **[fig. 4]** for supporting a surface of the card **[40]** on a side from which the one end of the movable spring **[21]** is inserted, the shoulder part being formed into a U-shape by bending a part of the movable spring toward the the opposite end side.

Allowable Subject Matter

9. **Claim 7** is allowed.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. **See the notice of references cited (PTO-892).**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Mohamad A. Musleh** whose telephone number is **(571) 272-9086**. The examiner can normally be reached on M-F (7:30-5:00 Est. Time) 1st Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Elvin G. Enad** can be reached on **(571) 272-1990**. The fax phone number for the organization where this application or proceeding is assigned is **(571) 273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (**PAIR**) system. Status information for published applications may be obtained from either Private **PAIR** or Public **PAIR**. Status

information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at **866-217-9197 (toll-free)**. If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call **800-786-9199 (IN USA OR CANADA) or 571-272-1000**.

**/Mohamad A Musleh/
Examiner, Art Unit 2832**

**/Elvin G Enad/
Supervisory Patent Examiner, Art
Unit 2832**